

## Machine Id **CATERPILLAR 325 DFM 12-09 (S/N 201699)** Component **Right Drive** Fluid **CAT DRIVE TRAIN 50 SAE (2 GAL)**

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
We advise that you check all areas where dirt can enter the system. The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition.	Sample Number		Client Info		TR06196003		
	Sample Date		Client Info		03 May 2024		
	Machine Age	hrs	Client Info		13149		
	Oil Age	hrs	Client Info		6320		
	Filter Age	hrs	Client Info		0		
	Oil Changed		Client Info		Changed		
	Filter Changed		Client Info		N/A		
	Sample Status				SEVERE		
WEAR	Iron	ppm	ASTM D5185m	>500	454		
All component wear rates are normal.	Chromium	ppm	ASTM D5185m		5		
	Nickel	ppm	ASTM D5185m		ہ <1		
	Titanium	ppm	ASTM D5185m	20	11		
	Silver	ppm	ASTM D5185m		0		
	Aluminum	ppm	ASTM D5185m	>10	106		
	Lead	ppm	ASTM D5185m		<1		
	Copper	ppm	ASTM D5185m	>25	13		
	Tin	ppm	ASTM D5185m	>5	0		
	Vanadium	ppm	ASTM D5185m		<1		
	White Metal	scalar	*Visual	NONE	NONE		
	Yellow Metal	scalar	*Visual	NONE	NONE		
CONTAMINATION	Silicon	ppm	ASTM D5185m	>50	<b>2</b> 32		
Elemental levels of silicon (Si) and aluminum (AI) indicate alumina- silicate (coarse dirt) ingress.	Potassium	ppm	ASTM D5185m	>20	8		
	Water		WC Method	>0.2	NEG		
	Silt	scalar	*Visual	NONE	NONE		
	Debris	scalar	*Visual	NONE	NONE		
	Sand/Dirt	scalar	*Visual	NONE	NONE		
	Appearance	scalar	*Visual	NORML	NORML		
	Odor	scalar	*Visual	NORML	NORML		
	Emulsified Water	scalar	*Visual	>0.2	NEG		
FLUID CONDITION The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.	Sodium	ppm	ASTM D5185m		14		
	Boron	ppm	ASTM D5185m		0		
	Barium	ppm	ASTM D5185m		۰ <1		
	Molybdenum	ppm	ASTM D5185m		<1		
	Manganese	ppm	ASTM D5185m		5		
		1212			v		

Magnesium

Phosphorus

Acid Number (AN)

Visc @ 40°C

Visc @ 100°C

Calcium

Zinc

Sulfur

ppm

ppm

ppm

ppm

ppm

cSt

cSt

Viscosity Index (VI) Scale ASTM D2270

mg KOH/g

ASTM D5185m

ASTM D5185m

ASTM D5185m

ASTM D5185m

ASTM D5185m

ASTM D8045

ASTM D445

ASTM D445

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28

2658

998

1214

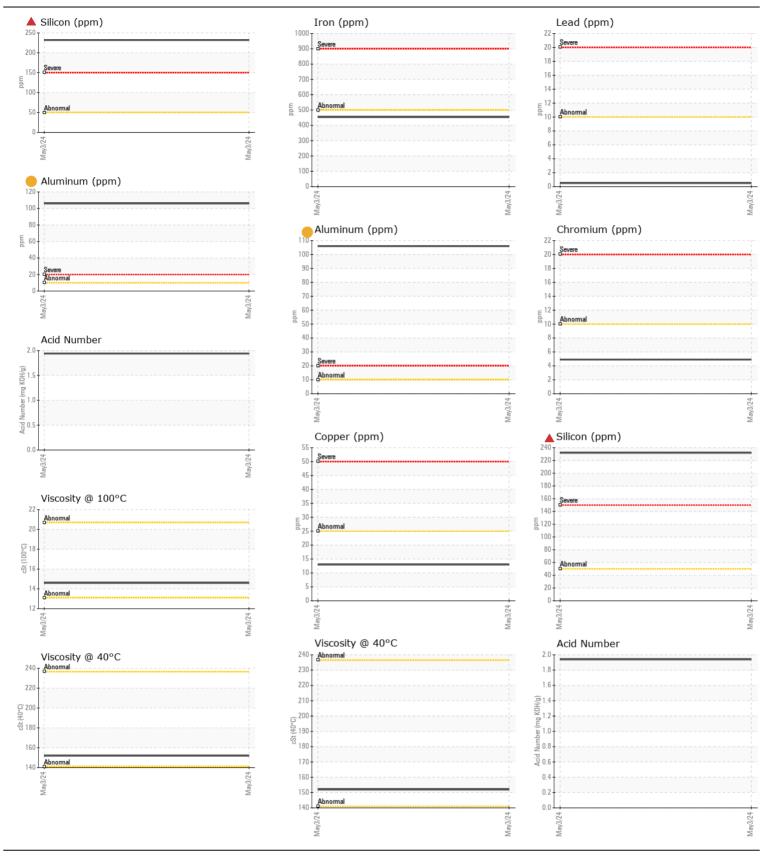
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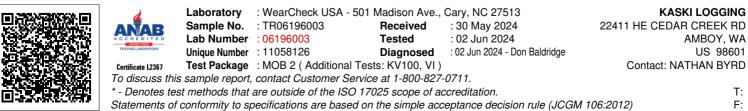
1.94

152

14.6

94





Contact/Location: NATHAN BYRD - KASAMB Page 2 of 2